

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT - TE Connectivity Ltd.

ALL RIGHTS RESERVED.

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL DRAWING	26AUG2019	VM	JR

Ordering Information

Sample Part Number ▶ PD5 A 2 3 5

Series: _____

Contact Form: _____
 A = SPST-NO
 B = SPST-NC
 C = SPDT (PCB Only)

Coil Voltage: _____
 2 = 12 Vdc, PCB Version 3 = 24 Vdc, PCB Version
 5 = 125 Vdc, PCB Version
 A = 12 Vdc, Panel Mount Version
 B = 24 Vdc, Panel Mount Version
 C = 125 Vdc, Panel Mount Version

Power Terminals: _____
 3 = PCB Solder Connection
 5 = Stud Terminal, Panel Mount

Mounting: _____
 5 = PCB Mount 7 = Panel Mount

Contact Ratings*

Product Specifications

Contact Arrangement —
 PD5A — SPST-NO
 PD5B — SPST-NC

Contact Form —
 PD5A — A**
 PD5B — B**

Rated Resistive Load @ 320 Vdc —
 5 A

Continuous Current Carry, Max. @ 85°C — 15 A

Overload @ 320 Vdc, (Make/Break) — 20 A

Life, (Mechanical/Rated Load) —
 500k cycles/50k cycles

Contact Resistance, Max., End of Life — 0.010 ohm

Dielectric at Sea Level —
 Power Terminals to Coil and All Other Points — 1,800 Vrms

Shock, 11ms, 1/2 Sine (Peak) —
 25 g

Vibration, Sinusoidal (55-2000 Hz, Peak) — 5 g

Operating Ambient Temperature Range — -40°C to +85°C

Operate Time, Max., Including Bounce @ 25°C — 10 ms

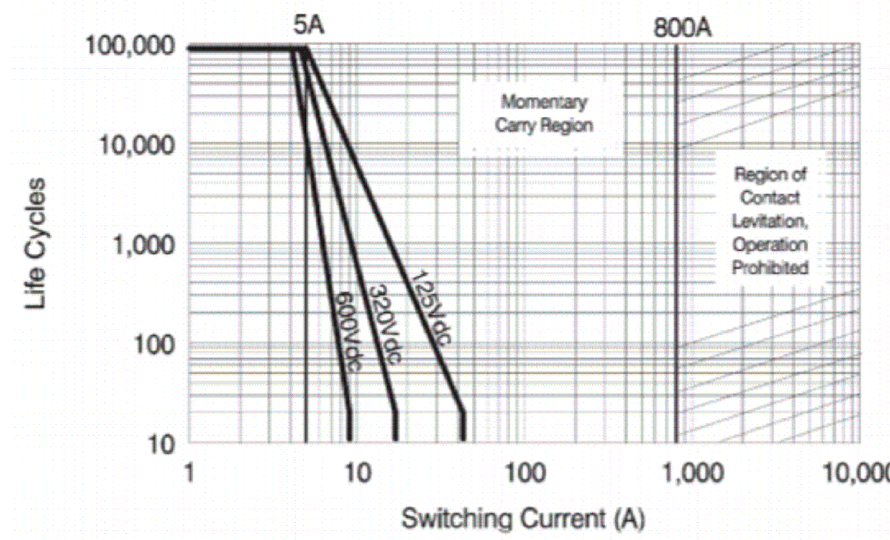
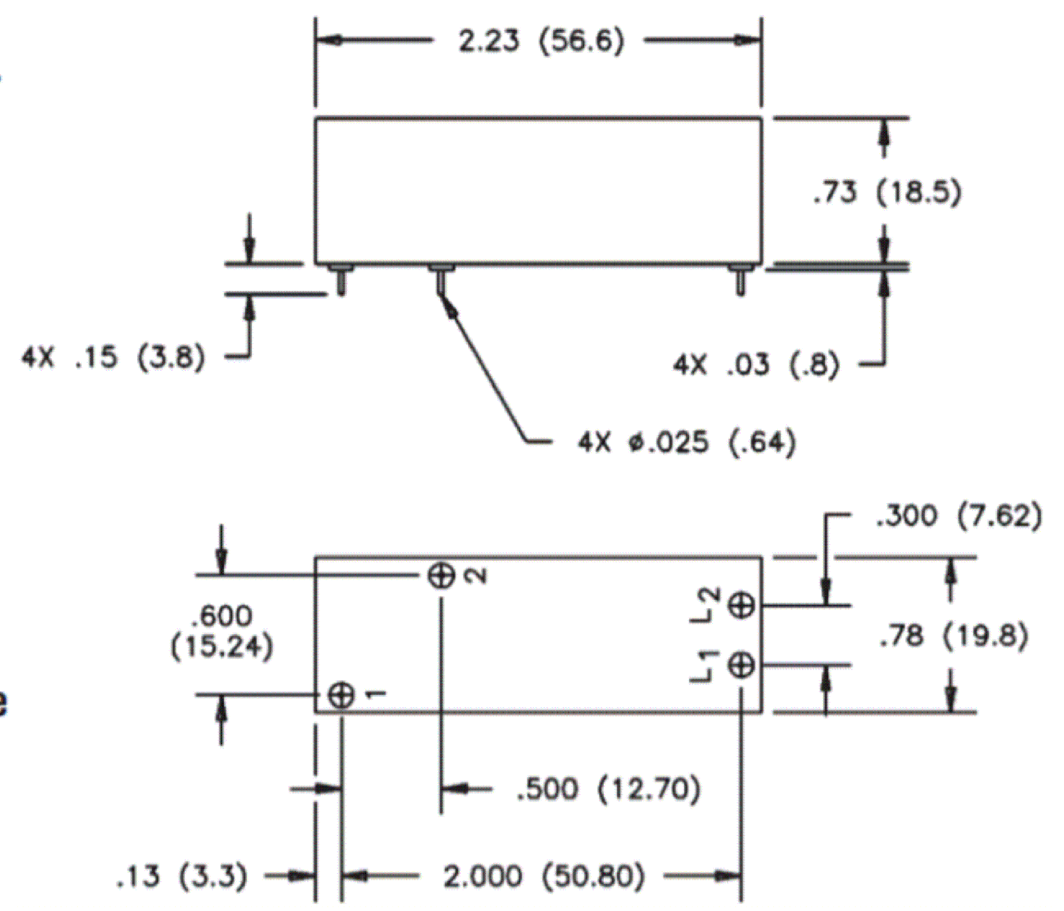
Release Time, Max., Including Bounce @ 25°C — 10 ms

Insulation Resistance @ 500 Vdc, Min. —
 Initial/End of Life — 100 mohm/50 mohm

Weight, Nominal —
 57 g (.125 lb)

Product Facts

- Vacuum dielectric for power switching
- Excellent for control applications
- PCB and panel mountings
- Rugged design for the most demanding applications, including seismic shock
- Small size and weight
- Low power consumption
- No heat sinks required
- Vacuum-sealed; can operate in explosive and harsh environments
- 2000 V isolation across open contacts



*Based on extrapolated data. Since each application is unique, user is encouraged to verify rating in actual application. The load terminals should always be connected as follows: Common Contact (A2) positive; Other Contact negative.

Coil Data

Nominal Volts DC	12 Vdc	24 Vdc	125 Vdc
Max. Coil Voltage	14 Vdc	28 Vdc	130 Vdc
Pickup, Max. @ 85°C	8 Vdc	16 Vdc	80 Vdc
Hold, Min. @ 85°C	3.3 Vdc	10 Vdc	33 Vdc
Dropout, Min. @ -40°C	.5 Vdc	1 Vdc	5 Vdc
Coil Resistance (±10%)	70 Ω	290 Ω	4700 Ω

Ratings listed are for 25°C, sea level conditions



ALL DIMENSIONS ARE IN INCHES(MM)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN VM 26AUG2019	TE Connectivity		
		CHK RV 26AUG2019			
DIMENSIONS: INCHES		APVD JR 26AUG2019	NAME PD5 MAKE AND BREAK LOAD SWITCHING		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	SIZE A3		
0 PLC ± -		APPLICATION SPEC	CAGE CODE -	DRAWING NO C-PD5-SERIES	RESTRICTED TO -
1 PLC ± -		WEIGHT 0	SCALE NTS		
2 PLC ± -		SHEET 1 OF 1			
3 PLC ± -		REV A			
4 PLC ± -					
ANGLES ± -					
FINISH -					
MATERIAL -		CUSTOMER DRAWING			